

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00864

**A. CLASSIFICATION OF SUBJECT MATTER**Int. Cl. <sup>7</sup>: C01C 3/11, 3/08; G02B 1/00, 1/02; H01L 21/58, 23/14, 41/16; H01S 3/16, C07C 211/62, 211/63

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

C01C 3/11, 3/08; G02B 1/00, 1/02; H01L 21/58, 23/14, 41/16; H01S 3/16, C07C 211/62, 211/63

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPAT, CAPLUS, USPTO, Espace@net, IPC (above) and/or Keywords

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<i>Journal of Solid State Chemistry</i> , Vol 134, issued 1997, D.J. Williams et al, "The Disordered Crystal Structures of Zn(CN) <sub>2</sub> and Ga(CN) <sub>3</sub> ", pp164-169 Whole document.	1-4, 6-7, 9, 11, 29-31, 35, 39, 42 51 & 53
X	<i>Physical Review B</i> , Vol 60 (1), issued 1 July 1999, C. R. Kmetz et al, "Collinear ferromagnetism and spin orientation in the molecule-based magnets M[N(CN) <sub>2</sub> ] (M = Co, Ni)", pp 60-63 Whole document	1-4, 6-7, 9, 11, 29-31, 35, 39, 42 51 & 53

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 31 July 2003	Date of mailing of the international search report - 6 AUG 2003
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  <b>JAMES DZIEDZIC</b> Telephone No : (02) 6283 2495

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00864

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<i>Journal of Chemical Physics</i> , Vol 58, issued 1 April 1973, R.H. Baughman, "Negative thermal expansion in crystalline linear polymers", pp 2976-83 pp 2977 (Column 2)	1-2, 4, 6, 8, 29, 32-35, 42, 51
X	US 6264486 B (JIANG et al), 24 July 2001 Col 2 (L64) - Col 3 (L43)	1 & 29
X	US 4255535 A (BAUGHMAN et al), 10 March 1981 Col 6 (L5) - Col 11 (L16)	1, 29, 35 & 42
X	Derwent Abstract Accession No. 2000-638220/61 Class L03, WO 200055659 A (NIPPON ELECTRIC GLASS Co.), 21 September 2000	32
X	Derwent Abstract Accession No. 95-322544/42 Class A85, FR 2717298 A (NIPPON ELECTRIC GLASS Co.), 15 September 1995	32
X	US 2001/0001084 A (JIANG et al), 10 May 2001 Col 2 [0019]-[0020]	1 & 29

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

**PCT/AU03/00864**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
US	6264486	US	6164993
US	4255535	US	3994867
US	2001001084		
END OF ANNEX			